

ABSTRACT OF THE DISCLOSURE

A method of designing a pitch noise pitch sequence includes the steps of first defining the characteristics of the tire noise generated by tire tread lug stiffness variations and then defining a tire noise pitch sequence that yields the defined characteristics to provide preferred modulation characteristics and good level characteristics. A tire is provided having a pitch sequence designed from this method. The tire has five different pitches with pitch ratios of 1.00, 1.10, 1.25, 1.4, and 1.50.